RAW SEQUENCE LISTING

The Biotechnology Systems Branch of the Scientific and Technical Information Center (STIC) no errors detected.

Application Serial Number: /0/5/1, 098
Source: Par/10
Date Processed by STIC: /0/21/04

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PCT

RAW SEQUENCE LISTING DATE: 10/21/2004 PATENT APPLICATION: US/10/511,098 TIME: 08:24:32

Input Set : A:\Q83564 Sequence Listing.txt
Output Set: N:\CRF4\10212004\J511098.raw

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3 <110> APPLICANT: SEKISUI CHEMICAL CO., LTD.
             MARINE BIOTECHNOLOGY INSTITUTE CO., LTD.
      5
              IDENO, Akira
             MARUYAMA, Tadashi
      6
             FURUTANI, Masahiro
      9 <120> TITLE OF INVENTION: EXPRESSION VECTOR, HOST, FUSED PROTEIN, PROCESS FOR
PRODUCING
     10
              FUSED PROTEIN AND PROCESS FOR PRODUCING PROTEIN
     12 <130> FILE REFERENCE: Q83564
C--> 14 <140> CURRENT APPLICATION NUMBER: US/10/511,098
C--> 14 <141> CURRENT FILING DATE: 2004-10-14
     14 <150> PRIOR APPLICATION NUMBER: PCT/JP2003/008020
     15 <151> PRIOR FILING DATE: 2003-06-25
     17 <150> PRIOR APPLICATION NUMBER: JP 2002-185020
     18 <151> PRIOR FILING DATE: 2002-06-25
    20 <160> NUMBER OF SEQ ID NOS: 30
     22 <170> SOFTWARE: PatentIn version 3.3
     24 <210> SEQ ID NO: 1
     25 <211> LENGTH: 257
    26 <212> TYPE: PRT
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     43 Ile Ile Val Gly Ala Gly His Val Ile Ser Gly Leu Asp Lys Arg Leu
     47 Val Gly Leu Glu Val Gly Lys Lys Tyr Thr Leu Glu Val Pro Pro Glu
    51 Glu Gly Phe Gly Leu Arg Asp Pro Lys Leu Ile Lys Val Phe Thr Met
                                            90
    55 Gly Gln Phe Arg Lys Gln Gly Ile Val Pro Phe Pro Gly Leu Glu Val
                                        105
    59 Glu Val Thr Thr Asp Asn Gly Arg Lys Met Lys Gly Arg Val Ile Thr
               115
                                    120
                                                         125
    63 Val Ser Gly Gly Arg Val Arg Val Asp Phe Asn His Pro Leu Ala Gly
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    67 Lys Thr Leu Ile Tyr Glu Val Glu Ile Val Glu Lys Ile Glu Asp Pro
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    71 Ile Glu Lys Ile Lys Ala Leu Ile Glu Leu Arg Leu Pro Met Ile Asp
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                        165
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PATENT APPLICATION: US/10/511,098 TIME: 08:24:32

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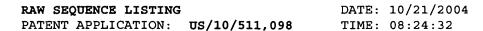
75 Arg Asp Lys Val Ile Ile Glu Val Gly Glu Lys Asp Val Lys Val Asn 79 Phe Gly Glu Gln Asp Val Asp Pro Lys Thr Leu Ile Leu Gly Glu Ile 195 200 83 Leu Leu Glu Ser Asp Ile Lys Phe Leu Gly Tyr Glu Lys Val Glu Phe 215 220 87 Lys Pro Ser Val Glu Glu Leu Leu Arg Pro Lys Gln Glu Glu Pro Val 230 235 91 Glu Glu Glu Lys Lys Glu Glu Glu Glu Ser Glu Glu Ala Gln Ser 245 250 95 Ser 99 <210> SEQ ID NO: 2 100 <211> LENGTH: 157 101 <212> TYPE: PRT 102 <213> ORGANISM: Methanococcus jannaschii 104 <400> SEQUENCE: 2 106 Leu Ile Asn Leu Ile Lys Lys Gly Asp Tyr Val Lys Val Asp Tyr Ile 107 1 110 Leu Glu Val Asp Gly Lys Val Ile Asp Thr Ser Ile Glu Glu Val Ala 20 25 114 Lys Glu Asn Lys Ile Tyr Tyr Pro Glu Arg Glu Tyr Glu Pro Ile Gly 118 Phe Ile Val Gly Asn Gly Glu Leu Ile Glu Gly Phe Glu Glu Ala Val 122 Ile Gly Met Glu Val Gly Glu Lys Thr Val Thr Ile Pro Pro Glu 126 Lys Gly Tyr Gly Leu Arg Asp Glu Arg Leu Ile Gln Glu Ile Pro Lys 127 90 130 Glu Met Phe Ala Asp Ala Asp Phe Glu Pro Gln Glu Gly Met Leu Ile 105 134 Leu Ala Ser Gly Ile Pro Ala Lys Ile Ile Lys Val Thr Asp Asp Thr 115 120 138 Val Thr Leu Asp Phe Asn His Glu Leu Ala Gly Lys Glu Leu Lys Phe 135 142 Thr Ile Lys Val Arg Asp Val Gln Pro Ala Glu Ser Glu 143 145 150 146 <210> SEQ ID NO: 3 147 <211> LENGTH: 432 148 <212> TYPE: PRT 149 <213> ORGANISM: Escherichia coli 151 <400> SEQUENCE: 3 153 Met Gln Val Ser Val Glu Thr Thr Gln Gly Leu Gly Arg Arg Val Thr 154 1 10 157 Ile Thr Ile Ala Ala Asp Ser Ile Glu Thr Ala Val Lys Ser Glu Leu 25 161 Val Asn Val Ala Lys Lys Val Arg Ile Asp Gly Phe Arg Lys Gly Lys 35 165 Val Pro Met Asn Ile Val Ala Gln Arg Tyr Gly Ala Ser Val Arg Gln 166 50 55 60

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Input Set : A:\Q83564 Sequence Listing.txt
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Input Set : A:\Q83564 Sequence Listing.txt
Output Set: N:\CRF4\10212004\J511098.raw

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	getgacagea tegagacege tgtta			120
271	attgacggct tccgcaaagg caaag	tgcca atgaatato	g ttgctcagcg ttatggcgcg	180
273	tctgtacgcc aggacgttct gggtg	acctg atgagecgt	a acttcattga cgccatcatt	240
275	aaagaaaaaa tcaatccggc tggcg	caccg acttatgtt	c cgggcgaata caagctgggt	300
277	gaagacttca cttactctgt agagt	ttgaa gtttatccg	g aagttgaact gcagggtctg	360
279	gaagcgatcg aagttgaaaa accga	tcgtt gaagtgac	g acgctgacgt tgacggcatg	420
281	ctggatactc tgcgtaaaca gcagg	cgacc tggaaagaa	a aagacggcgc tgttgaagca	480
283	gaagaccgcg taaccatcga cttca	ccggt tctgtagad	g gcgaagagtt cgaaggcggt	540
	aaagcgtctg atttcgtact ggcga			600
	ggtatcaaag gccacaaagc tggcg			660
	taccacgcag aaaacctgaa aggta			7,20
	gaagagcgtg aactgccgga actga			780
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	gacgtaccgg ctgcgctgat cgaca			960
	cgtttcggtg gcaacgaaaa acaag			1020
	gctaaacgcc gcgtagttgt tggcc			1080
	aaagctgacg aagagcgcgt gaaag			1140
	ccgaaagaag ttatcgagtt ctaca			1200
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	Ala Leu His Ala Pro Ile Thr	= -		
324		25	30	
	Thr Ala Ala Asp Ser Lys Ala			
328	-	40	45	
	Ala Tyr Ala Leu Gly Ala Ser			
332			60	
	Lys Glu Gln Glu Lys Leu Gly	Ile Lys Leu As		
336		7:		
	Ala Gly Val Gln Asp Ala Phe	Ala Asp Lys Se	er Lys Leu Ser Asp Gln	
340		90	95	
343	Glu Ile Glu Gln Thr Leu Gln	Ala Phe Glu Al	la Arg Val Lys Ser Ser	
344		105	110	
	Ala Gln Ala Lys Met Glu Lys	Asp Ala Ala As	sp Asn Glu Ala Lys Gly	
		-		
348	= = = = = = = = = = = = = = = = = = = =	120	125	
348	= = = = = = = = = = = = = = = = = = = =			
348	115 Lys Glu Tyr Arg Glu Lys Phe	Ala Lys Glu Ly		
348 351 352	115 Lys Glu Tyr Arg Glu Lys Phe	Ala Lys Glu Ly	vs Gly Val Lys Thr Ser 140	

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359 360																
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		_		165	_	_	_	_	170	_			_	175	_	
	Asp Gl	у Lys		Pne	Asp	Asn	Ser	_	Thr	Arg	GLY	GIu		Leu	ser	
364	_, _	_	180				_	185	_				190	_	_	
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368		195			_		200	_			_	205		_		
	Ile Ly	-	GLY	GIY	Lys		Lys	Leu	Val	Ile		Pro	GIu	Leu	Ala	
372	21				-	215			_	_	220	_		_		
	Tyr Gl	y Lys	Ala	GIY		Pro	GIY	He	Pro		Asn	Ser	Thr	Leu		
	225	-		_	230	_		_	_	235	_	_		_	240	
	Phe As	o Val	Glu		Leu	Asp	Val	Lys		Ala	Pro	Lys	Ala	_	Ala	
380		_	_	245	_		_		250		_			255		
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	ccaatc															120
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	gaaaac			_	-	_	-						_	_	_	240
	gctggt	-		-	_	-	_	-			_		-	-	-	300
	actctg	_		_	-	-	-	_		_	-	-	-			360
	gcggct							-								420
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409 411	ttcgac	gaca aact	gcgai ctta	cacco	g to	ggtga	aacc	g cto	ctctt	tcc	gtct	ggad	cgg t	eggta tgtta	aaagag atcccg	540 600
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409 411 413 415 417	ttcgac ggttgg ccagaa tttgac	gaca aact acag ctgg gtag	gcgai ctta aaggi ctta agcts	cacco tetgo eggeo getgo	eg to aa ga aa aq ga to	ggtga aacai gcggg gtgaa	aacco caac gtgt! aacco	g cto g aaa t cco a gco	eteti aggeg gggga geega	tcc ggta atcc	gtct agat cace	ggad caaa gaat	egg tact g	eggta tgtta ggtta tacco	aaagag atcccg attcca ctggtg	540 600 660 720 780
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VERIFICATION SUMMARY

PATENT APPLICATION: US/10/511,098

DATE: 10/21/2004 TIME: 08:24:33

Input Set : A:\Q83564 Sequence Listing.txt
Output Set: N:\CRF4\10212004\J511098.raw

L:14 M:270 C: Current Application Number differs, Replaced Current Application No

L:14 M:271 C: Current Filing Date differs, Replaced Current Filing Date